

Subject: Proposal to allow use of certain Low Powered Center Fire Cartridge Rifles in the Michigan Shotgun Zone during Firearms Deer Season.

At this time only Shotguns and Muzzle Loaders and certain Pistols may be used for deer hunting in this zone. Center Fire Cartridge rifles are not legal in this zone during Deer Season.

The Rifles in subject are Low Powered Rifles loaded with Pistol cartridges. These cartridges are those Straight Walled cartridges with a minimum bullet diameter of .35 caliber with a minimum case length of not less than 1.16 inches nor longer than 1.8 (1 13/16") inches.

Typical cartridges for these rifles are those already in use in Handguns in the Shotgun Zone. Energy Level for these guns and the Shotguns and In-Line Muzzle Loaders are shown on the attached table. Their Power/ Energy are shown at the typical hunting ranges of 100 and 200 yards. Some are also projected to 500 yards to show that even at these ranges they have much less power than the Shotguns and Muzzle Loaders in present use. Note that their **energy level is only about one half of the presently used Shotguns and In-Line Muzzle Loaders.**

Public Perception is an important concern in this Proposal.

These energy levels show that the power and range of these Low Powered Rifles is far less (some 50% less) than the presently used shotguns and In-Line muzzle loaders. Consequently, there should not be any additional safety concerns and perhaps even an increase in safety.

In addition the subject guns may make less noise than the In-Lines as In-Lines use some 150 grains of powder. The Pistol Cartridges are loaded with only some 15 to 40 grains of powder depending upon caliber.

These firearms, also, have much less recoil than the Shotguns and In-Line Muzzle Loaders. They therefore are more desirable for use by Women, Younger shooters and Senior Hunters. Plus it is much easier to make an accurate shot with a Rifle than with a Pistol or a Shotgun.

In addition, if these minimum and maximum case lengths are adopted , rifle cartridges such as the .375 Winchester and 45-70 would no longer be legal in the Shotgun Zone. This is a concern as told to me by members of the DNR Law Enforcement Division.

I therefore ask that this bill be passed out of this Committee so it can proceed toward becoming Law.

Sincerely,

Robert M. Tyler

Presently Legal cartridges in Pistols

Caliber	Case Length - inches	Source	Energy in Ft - LBS			
			100 yd	200 yd	500 yd	1000 yd
.357 Mag	1.29 Pistol	Hornady	767	621		
*.375 Win	2.02 Rifle (TCP)	Win	1505	1034	427	
.41 Mag	1.29 Pistol	Rem	526			
.44 Mag	1.285 Pistol	Hornady	708	601		
.454 Casull	1.383 Pistol	Hornady	1212	851		
*.45-70	2.105 Rifle (TCP)	Win	1815	1355	680	
.460 S&W	1.8 Pistol	Hornady	1289	757		
.500 S&W	1.625 Pistol	Hornady	1292	843		

Presently Legal Long Guns in Shotgun Zone

12 Ga. Slug	3 Shotgun	Sierra	2392	1658	768	411
0.45 Muzz Ldr	In-Line	Hornady	2228	1593	672	353

For Comparison Purposes

.22 RF Mag	Rifle	Win	339	Muzzle energy for comparison.		
.30-06	2.494 BN	High Power Rifle	Hornady	2741	2392	1546
						700

The muzzle energy of the .22 Mag., a small game cartridge, is provided for comparison purposes.

*TCP - Thompson Center Pistol - the .375 Winchester and the .45-70 are rifle cartridges presently legal in the Shot Gun Zone when used in Pistol.

BC - Ballistic Coefficient

BN - Bottle Necked Cartridge

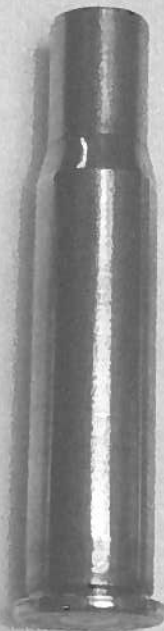
Source - Ballistic programs and/or Tables Used

HL - Hand Load

This Table shows the kinetic energies of the listed Cartridges. Velocities are not shown because they do not offer any needed information. Cartridge energy is relevant to its power which is the concern in this proposal. Velocity is used to compute the energy in ballistic tables, and thus has already been taken into effect.



.223 Rem



.30-30



.30-06

1.80



357 MAG



357 MAX



44 MAG

116